CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	00000 BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	TTT TTT TTT TTT TTT TTT TTT TTT TTT TT	
--	--	--	---	--

 I Eee	D**COBSWITCH	
 	In copamilici	

2222222 22 22 22 22 22 22 22 22 22 22 2	000000 00 00 00 00	BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	\$		00000000 00000000 00000000 00000000000
		\$			

Page

MODULE COBSSWITCH( IDENT = '1-006'

! file: COBSWITCH.B32 EDIT:LGB1006

BEGIN

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FACILITY:

COBOL SUPPORT

**ABSTRACT** 

Reads switches

ENVIRONMENT: Vax-11 User Mode

AUTHOR: MLJ , CREATION DATE: 16-JAN-79

MODIFIED BY:

1-001 - Original. MLJ 16-JAN-79
1-002 - Added boilerplate and comments. RKR 23-AUG-1979
1-003 - Change symbolic name of LIBRARY file. RKR 1-OCT-79
1-004 - Cosemtic changes. RKR 18-OCT-79
1-005 - Fix typo from 4. RKR 20-OCT-79
1-006 - Use logical LNM\$C\_NAMLENGTH instead of hard-coded value of 64.
LGB 31-OCT-1983

! <BLF/PAGE>

```
COBSSWITCH
1-006
                                                                                                            VAX-11 Bliss-32 V4.0-742
[COBRTL.SRC]COBSWITCH.B32;1
                                  CNT = .LENGTH;
   150
151
152
153
155
156
156
163
164
167
177
173
174
175
                                  WHILE 1 DO BEGIN LOCAL VAL:
                                         Skip leading non-digits
                                       WHILE (IF .CNT GTR O THEN NOT GET_DIGIT() ELSE RETURN O) DO 0;
                                         Remember first digit
                                       VAL = .DIG:
                                         Scan over digits to next non-digit, computing value in VAL
                                       WHILE (IF .CNT GTR O THEN GET_DIGIT() ELSE O) DO VAL = .VAL * 10 + .DIG;
                                         Check VAL against desired switch
                                       IF . VAL EQL . NUMBER THEN RETURN 1;
                                  RETURN 0:
                                  END:
                                                                                           .TITLE
                                                                                                     COB$SWITCH
                                                                                           .PSECT
                                                                                                    _COB$CODE,NOWRT,
                                                                                                                           SHR, PIC.2
                                                                        00000 P.AAA:
                                                                                           .ASCII \COB$SWITCHES\
                                                                                           .EXTRN
                                                                                                    SYS$TRNLOG
                                                                                                     COB$SWITCH, Save R2,R3,R4,R5,R6,R7,R8,R9,-
                                                                   OFFC 00000
                                                                                           .ENTRY
                                                                                                                                                             0185
                                                                                           MOVAB
                                                SE AE AE AE
                                                                 BUFDESC
                                                                                           MOVZBL
                                                                                                     BUFFER, BUFDESC+4
                                                                                           MOVAB
                                                                                           MOVL
                                                                                                     #12, NAMDESC
P.AAA, NAMDESC+4
                                                           DC
                                                                                           MOVAB
                                                           18
10
18
                                                                                                     #6. SYSSTRNLOG
                                  0000000G
                                                          14
                                                                                                    BUFFER, PTR
LENGTH, CNT
                                                                                           MOVAB
                                                                                           MOVZWL
TSTL
BLEQ
BSBW
BLBC
                                                                                                     GET_DIGIT
                                                F6
```

COBSSWITCH 1-006			H 5 16-Sep-1984 00:15:51 VAX-11 Bliss-32 V4.0-742 14-Sep-1984 12:10:59 [COBRTL.SRCJCOBSWITCH.B32;1	Page (3)
	50	55 55 50 04 AC 50	54 D0 00042 53 D5 00045 28: TSTL CNT 10 15 00047 BLEQ 3\$ 0000V 30 00049 BSBW GET_DIGIT 50 E9 0004C BLBC RO. 3\$ 0A C5 0004F MULL3 W10, VAL. RO 54 C1 00053 ADDL3 DIG. RO. VAL EC 11 00057 BRB 2\$ 55 D1 00059 3\$: CMPL VAL. NUMBER D9 12 0005D BNEQ 1\$ 01 D0 0005F MOVL W1. RO 04 00062 RET 50 D4 00063 4\$: CLRL RO 04 00065 RET	0254 0258 0262 0267

; Routine Size: 102 bytes, Routine Base: \_COB\$CODE + 000C

: 176 0268 1 : 177 0269 1 !<BLF/PAGE>

1

.

```
I 5
16-Sep-1984 00:15:51
14-Sep-1984 12:10:59
COBSSWITCH
1-006
                                                                                                                                                                                                             VAX-11 Bliss-32 V4.0-742 [COBRTL.SRC]COBSWITCH.B32;1
                                                       ROUTINE GET_DIGIT: L=
      118834567890123456789012345678901234567890123456
1188345678901234567890123456789011234567890123456
                                                                          FUNCTIONAL DESCRIPTION
                                                            Get next character from string, returning:
PTR advanced to next character
CNT decremented
DIG containing the character less %C'O'
Value true if and only if the character was a digit
                                                            FORMAL PARAMETERS:
                                                            IMPLICIT INPUTS:
                                                                          NONE
                                                            IMPLICIT OUTPUTS:
                                                                          NONE
                                                            ROUTINE VALUE:
COMPLETION CODES:
                                                                          NONE
                                                            SIDE EFFECTS:
                                                                          NONE
                                                                BEGIN
EXTERNAL REGISTER
PTR, CNT, DIG;
                                                               LOCAL VAL:
                                                                                                                                                                          Assume false value
fetch character
Advance pointer
Decrement count
Bias character
Set true value if need be
Return the value
                                                                VAL = 0;

DIG = .(.PTR)<0.8>;

PTR = .PTR + 1;

CNT = .CNT - 1;

DIG = .DIG - %C'O';

IF .DIG LEQU 9 THEN VAL = .VAL + 1;
                                                                 .VAL
```

50 D4 00000 GET\_DIGIT:

93 04 00000 021

CLRL VAL MOVZBL (PTR)+, DIG DECL CNT : 0310 : 0311 : 0313

Page (4)

COB\$SWITCH 1-006		J 5 16-Sep-1984 00:15:51 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:10:59 [COBRTL.SRC]COBSWITCH.B32;1					
	54 09	02	C2 00007 01 0000A 1A 0000D 06 0000F 05 00011 1\$:		DIG #9	031 031 031	
; Routine Size: 18 bytes	, Routine Base:	_COBSCODE +	0072				
; 227 0318 0 E	ND ELUDOM						
	PSECT	SUMMARY					
Name	Bytes		Attribute	s			
_COB\$CODE	132 NO	VEC,NOWRT,	RD , EXE, SHR	, LCL, REL,	CON, PIC,ALIGN(2)		
:	Library Stati	stics					
File		Total Load	ded Percent	Pages Mapped	Processing Time		
_\$255\$DUA28:[SYSLIB]ST/		9776	4 0	581	00:00.7		
:		ND QUALIFIER					
BLISS/CHECK=(FIELD	D, INITIAL, OPTIMIZE)/	NOTRACE/LIS=	LISS: COBSWITCH/	OBJ=0BJ\$: COBS	WITCH MSRC\$: COBSWITCH/UPDA	TE=(ENHS:COBSWITCH	
; Size: 120 code; Run Time: 00:03. ; Elapsed Time: 00:15. ; Lines/CPU Min: 5451 ; Lexemes/CPU-Min: 20811 ; Memory Used: 62 pages ; Compilation Complete	+ 12 data bytes 8						

0064 AH-BT13A-SE

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